

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

5 Claims 1-24 (canceled)

Claim 25 (withdrawn): A composition comprising 16 α -bromo-3 β -hydroxy-5 α -androstan-17-one, 16 α -bromo-2-oxa-3 β -hydroxy-5 α -androstan-17-one, 16 α -bromo-3 β -hydroxy-11-oxa-5 α -androstan-17-one or 16 α -bromo-3 β -hydroxy-5 α -androstan-17-one hemihydrate and one or more nonaqueous liquid excipients, wherein the composition comprises less than about 3% v/v water.

10 Claim 26 (withdrawn): The composition of claim 25 wherein the composition comprises less than about 0.3% v/v water.

15 Claim 27 (withdrawn): The composition of claim 25 wherein the one or more nonaqueous liquid excipients are two or more of an alcohol, a polyethylene glycol, propylene glycol and benzyl benzoate.

20 Claim 28 (withdrawn): The composition of claim 25 wherein the composition is a parenteral formulation.

Claims 29-118 (canceled)

25 Claim 119 (new): A method to treat or ameliorate an innate immune suppression condition in a human associated with radiation, aging, autologous bone marrow transplantation or stem cell transplantation comprising administering to the human an effective amount of 3 β ,17 β -dihydroxyandrost-5-ene by intramuscular, intradermal or subcutaneous administration whereby the 30 number or activity of neutrophils in circulation in the human is increased.

Claim 120 (new): The method of claim 119 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered once daily for 4, 5, 6 or 7 consecutive days.

5 Claim 121 (new): The method of claim 120 wherein about 50 mg, 75 mg, 100 mg, 150 mg, 200 mg, 250 mg or 300 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

10 Claim 122 (new): The method of claim 119 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered once daily for 5 consecutive days.

Claim 123 (new): The method of claim 122 wherein about 200 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

15 Claim 124 (new): The method of claim 123 wherein the innate immune suppression condition is associated with radiation.

Claim 125 (new): The method of claim 124 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered by intramuscular administration.

20 Claim 126 (new): The method of claim 122 wherein about 150 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

25 Claim 127 (new): The method of claim 122 wherein about 250 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 128 (new): The method of claim 122 wherein about 300 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

30 Claim 129 (new): The method of claim 120 wherein about 1.5 mg/kg/day, about 2 mg/kg/day, about 2.5 mg/kg/day, about 3.0 mg/kg/day, about 4

mg/kg/day or about 6 mg/kg/day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 130 (new): The method of claim 119 wherein the innate immune suppression condition is associated with aging, autologous bone marrow transplantation or stem cell transplantation.

Claim 131 (new): The method of claim 130 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered once daily for 4, 5, 6 or 7 consecutive days.

Claim 132 (new): The method of claim 131 wherein 50 mg, 75 mg, 100 mg, 150 mg, 200 mg, 250 mg or 300 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 133 (new): The method of claim 132 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered once daily for 5 consecutive days.

Claim 134 (new): The method of claim 133 wherein about 150 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 135 (new): The method of claim 133 wherein about 200 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 136 (new): The method of claim 133 wherein about 250 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 137 (new): The method of claim 133 wherein about 300 mg per day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.

Claim 138 (new): The method of claim 135 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered by intramuscular administration.

- Claim 139 (new): A method to treat or ameliorate an innate immune suppression condition associated with radiation, aging, autologous bone marrow transplantation or stem cell transplantation in a non-human primate comprising administering to the non-human primate an effective amount of 3 β ,17 β -dihydroxyandrost-5-ene by intramuscular, intradermal or subcutaneous injection, whereby the number or activity of neutrophils in circulation in the non-human primate is increased.

Claim 140 (new): The method of claim 139 wherein the non-human primate is a cynomolgus monkey or a macaque monkey.

- Claim 141 (new): The method of claim 139 wherein the innate immune suppression condition is associated with radiation.

Claim 142 (new): The method of claim 141 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered daily for 3, 4, 5, 6 or 7 consecutive days.

- Claim 143 (new): The method of claim 142 wherein the 3 β ,17 β -dihydroxyandrost-5-ene is administered for 5 consecutive days.

- Claim 144 (new): The method of claim 143 wherein the non-human primate is a cynomolgus monkey or a macaque monkey.

Claim 145 (new): The method of claim 144 wherein the innate immune suppression condition is associated with radiation.

- Claim 146 (new): The method of claim 142 wherein about 4-40 mg/kg/day of 3 β ,17 β -dihydroxyandrost-5-ene is administered.